

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 80-25

WATER RECLAMATION REQUIREMENTS FOR:

DOMAINE CHANDON WINERY M & H VINEYARDS, INC  
YOUNTVILLE, NAPA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter Board) finds that:

1. Domaine Chandon Winery M & H Vineyards, Inc. submitted a Report of Waste Discharge dated February 7, 1980 and provided additional information by letters dated March 5, 1980 and March 26, 1980.
2. The discharger describes the waste as follows:
  - a. Waste no. 1 consists of a maximum of 2,800 gallons per day (gpd) of sanitary sewage from 20 employees and a maximum of 800 visitors per day. This waste is discharged into a series of six septic tanks and six subsurface leach fields located on the discharger's property.
  - b. Waste no. 2 consists of industrial waste generated by the fermentation and processing of clear juice from crushed grapes into sparkling wine. The estimated flow will increase from 5,000 to 10,000 gallons per day average and 125 gallons per minute maximum during crushing season (August 20 to October 15) based on processing 600,000 gallons of clear juice. The average flow the rest of the year is 1250 gallons per day. The waste is filtered, neutralized, and biologically oxidized using extended aeration in two aeration tanks followed by a settling tank. Disposal is by drip irrigation on about 18 acres of vineyards.
3. The Board adopted a Water Quality Control Plan for the San Francisco Bay Basin (Basin Plan) in April 1975. The Basin Plan contains water quality objectives for the Napa Valley area.
4. The beneficial uses of the Napa River downstream from the winery property are:
  - a. Domestic water supply for irrigating family gardens.
  - b. Agricultural water supply for stock watering, irrigation and frost protection.
  - c. Water contact recreation.
  - d. Fish migration and habitat.

- e. Preservation and enhancement of fish, wildlife and other aquatic resources.
  - f. Esthetic enjoyment.
5. The beneficial uses of the Napa Valley ground waters as set forth in the Basin Plan includes:
- a. Domestic water supply.
  - b. Agricultural water supply.
6. The discharge is presently governed by waste discharge requirements in Order No. 76-91 which was adopted on August 17, 1976.
7. As this project is adoption of waste discharge requirements for an increase of waste flow for an existing discharge, this Board, pursuant to Water Code Section 13389, is not required to comply with the provisions of Chapter 3 of Division 13 of the Public Resources Code (California Environmental Quality Act).
8. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
9. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, pursuant to the provisions of Division 7 of the California Water Code and regulations adopted thereunder, that the discharger shall comply with the following:

A. Prohibitions

- 1. The collection, treatment, and reclamation or disposal of waste shall not create a nuisance as defined in Section 13050(m) of the California Water Code.
- 2. There shall be no bypass or overflow of waste to waters of the State either at the treatment facility or from the collection system.
- 3. The waste shall not be allowed to escape from the discharger's irrigation or disposal area into waters of the State via surface flow, resurfacing after percolation or airborne spray.
- 4. The waste shall not cause degradation of any ground water so as to impair beneficial use.
- 5. Waste no. 1 or sanitary sewage from any other source shall not be discharged to the aeration tanks or onto the drip irrigation area.

B. Discharge Specifications

1. Waste no. 2 as discharged to grasslands or vineyards shall meet the following limits at all times:

Dissolved Oxygen      1.0 mg/l minimum

Dissolved Sulfide      0.4 mg/l maximum

2. Waste no. 1 (sanitary) discharged through leach lines into the soil shall be kept below ground surface.

C. Reclaimed Wastewater Use Limitations

1. The discharger shall submit a map, by July 1, 1980 showing the exact areas used for irrigation. Revised maps must be submitted before any future change is made in the areas used for irrigation.
2. Wastewater irrigation ponding which could provide a breeding area for mosquitoes shall be prevented.

D. Provisions

1. All portions of this Order shall be complied with immediately upon adoption.
2. The discharger shall comply with the Self-Monitoring Program as ordered by the Executive Officer.
3. The discharger shall file with this Board a report of any material change or proposed change in the character, treatment, or volume of this waste discharge. For the purpose of these requirements, this includes any proposed change in the boundaries, or ownership of the property.
4. The discharger shall permit the Regional Board:
  - a. Entry upon premises in which an effluent source is located or in which any required records are kept;
  - b. Access to copy any records required to be kept under terms and conditions of this Order;
  - c. Inspection of monitoring equipment or records, and
  - d. Sampling of any discharge.
5. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

6. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal, and in accordance with the provisions of Division 7.5 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by a regional water quality control board and which is in full compliance therewith.
7. This Board requires the discharger to file with the Board, within ninety (90) days after the effective date of this Order, a technical report on his preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. The technical report should:
  - a. Identify the possible sources of accidental loss, untreated waste bypass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.
  - b. Evaluate the effectiveness of present facilities and procedures and state when they became operational.

Describe facilities and procedures needed for effective preventive and contingency plans.

This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on May 20, 1980.

FRED H. DIERKER  
Executive Officer

Attachments:

Standard Provisions, Reporting  
Requirements & Definitions dated April 1977  
Self-Monitoring Program

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

DOMAINE CHANDON WINERY M & H VINEYARDS, INC.  
YOUNTVILLE, NAPA COUNTY

ORDER NO. 80-25

CONSISTS OF

PART A, dated 1/78

AND

PART B

## PART B

### I. DESCRIPTION OF SAMPLING STATIONS

#### A. EFFLUENT

| <u>Station</u> | <u>Description</u>   |
|----------------|--|
| E-1            | At any point where all waste no. 2 (industrial) is present.  |
| E-2            | Effluent monitoring station located at the point where the drip irrigation lines begin to branch from the line which conducts effluent from the treatment area to the disposal area. |

#### B. GROUND WATERS

| <u>Station</u> | <u>Description</u>  |
|----------------|---|
| G-1            | Ground water monitoring well located on the property line east of the drip irrigation area. |

#### C. LAND OBSERVATIONS

| <u>Station</u>    | <u>Description</u>   |
|-------------------|--|
| S-1 thru<br>S-'n' | Any point for waste no. 1 (sanitary) at which surfacing water is ponding over tanks' leach fields. (A sketch shall be submitted with each report showing the location of each station).                              |
| P-1 thru<br>P-n   | At points spaced equidistantly around the periphery of the drip irrigation fields. Points shall be separated by less than 200 feet. (A sketch shall be submitted with each report showing location of each station). |

### II. SCHEDULE OF SAMPLING, ANALYSIS, AND OBSERVATIONS

- A. The schedule of sampling, analysis and observations shall be that given as Table I.

### III. MODIFICATION OF PART "A" DATED 1/78

- A. Exclusions: Paragraphs C.3, C.4, C.5.a, C.5.b, C.5.c, D.1, D.3, E.2, F.3.e, and F.3.g.

B. Modifications:

Paragraph F-4: Replace "Written reports shall be filed regularly for each calendar month ..." with "Written reports shall be filed regularly for each calendar quarter ..."

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 80-25.
2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

FRED H. DIERKER  
Executive Officer

Attachment:  
Table 1

Effective Date June 5, 1980

TABLE I  
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSES

| SAMPLING STATIONS                          | E-1 | E-2 | G-1 | All<br>"P"<br>Sta. | All<br>"S"<br>Sta. |  |  |  |  |
|--|-----|-----|-----|--------------------|--------------------|--|--|--|--|
| TYPE OF SAMPLES                            |     | G   | G   | O                  | O                  |  |  |  |  |
| Flow Rate<br>(mgd)                         | D   |     |     |                    |                    |  |  |  |  |
| pH   |     | 3M  | 3M  |                    |                    |  |  |  |  |
| Sulfides Total & Dissolved<br>(mg/l)       |     | 3M  | 3M  |                    |                    |  |  |  |  |
| Dissolved Oxygen<br>(mg/l)                 |     | 3M  |     |                    |                    |  |  |  |  |
| COD<br>(mg/l)                              |     |     | 3M  |                    |                    |  |  |  |  |
| Coliform Organisms (Total)<br>(MPN/100 ml) |     | 3M  | 3M  |                    |                    |  |  |  |  |
| Specific Conductance<br>(umho/cm)          |     |     | 3M  |                    |                    |  |  |  |  |
| All Applicable<br>Standard Observations    |     |     |     | 2W                 | 2W                 |  |  |  |  |
|  |     |     |     |                    |                    |  |  |  |  |
|  |     |     |     |                    |                    |  |  |  |  |
|  |     |     |     |                    |                    |  |  |  |  |
|  |     |     |     |                    |                    |  |  |  |  |
|  |     |     |     |                    |                    |  |  |  |  |

LEGEND FOR TABLE

G = Grab sample  
O = Observation

D = Daily  
2W = every two weeks  
3M = every three months